

DETAILED ACTION

1. This office action is in response to the amendment filed on 02/12/2010. Claims 1-3 are pending in this application and have been considered below.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kenneth M. Berner on 04/29/2010.

The application has been amended as follows:

In claims:

- 1) In Claim 1, line 12-13; replace "observations i when the symbol m is non zero" with **--observations, where m and i are positive integers--**.
- 2) In Claim 3, line 3; add **--, where p is a positive integer--** after "propagation channel".

Allowable Subject Matter

3. Claims 1-3 are allowed.

Claim 1 which recites the process for blind demodulation of a linear-waveform source comprising the steps of: determining symbol period; constructing a spatio-temporal observation vector; applying an Independent Component Analysis type method to the observation vector in order to estimate for a number of input symbol trains corresponding to a number of symbols participating in an inter-symbol interference; arranging the outputs in the same order as the inputs; and determining a phase associated with the outputs, the prior art of record neither anticipate nor render obvious the limitation as claimed, with respect to a process for blind demodulation of a linear-waveform source.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KENNETH LAM whose telephone number is (571)270-1862. The examiner can normally be reached on Mon - Fri 8:00 am - 4:30 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shuwang Liu can be reached on (571) 272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/KENNETH LAM/
Examiner, Art Unit 2611
05/03/2010

/CHIEH M FAN/
Supervisory Patent Examiner, Art Unit 2611